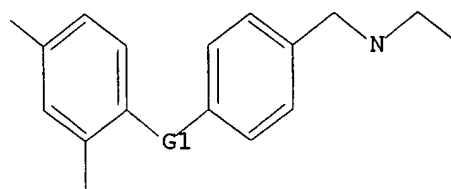


# Structure Search

L1 HAS NO ANSWERS

L1 STR



G1 O, S, N, F, CF2, CF3, SO2, CHO, NH, NO2

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 09:22:13 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1563 TO ITERATE

100.0% PROCESSED 1563 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.05

L2 3 SEA SSS FUL L1

=> d l2 1-3

L2 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2002 ACS

RN 129475-33-8 REGISTRY

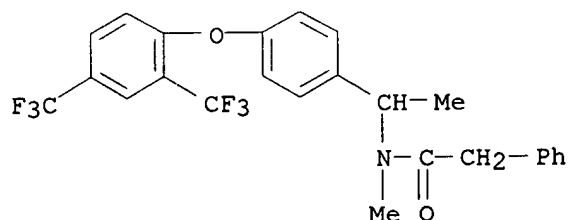
CN Benzeneacetamide, N-[1-[4-[2,4-bis(trifluoromethyl)phenoxy]phenyl]ethyl]-N-methyl- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C25 H21 F6 N O2

SR CA

LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L2 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2002 ACS

RN 117542-61-7 REGISTRY

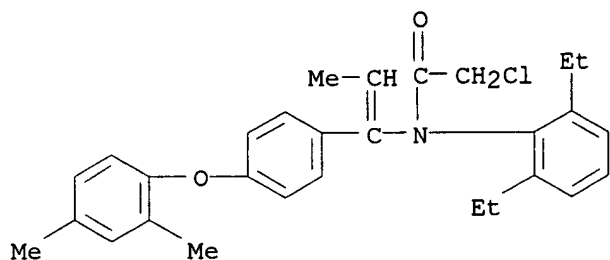
CN Acetamide, 2-chloro-N-(2,6-diethylphenyl)-N-[1-[4-(2,4-dimethylphenoxy)phenyl]-1-propenyl]- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C29 H32 Cl N O2

SR CA

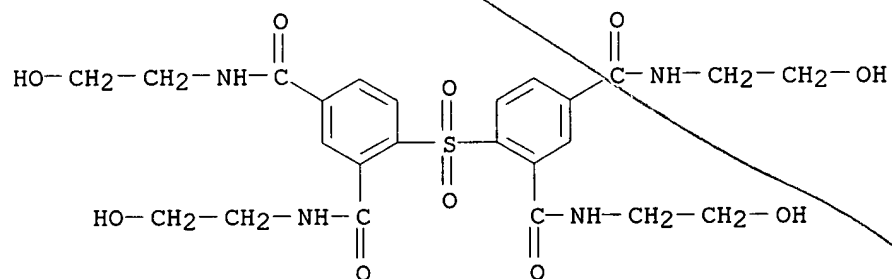
LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L2 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2002 ACS  
RN 22219-70-1 REGISTRY  
CN Isophthalamide, 4,4'-sulfonylbis[N,N'-bis(2-hydroxyethyl)- (8CI) (CA  
INDEX NAME)  
FS 3D CONCORD  
MF C24 H30 N4 O10 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1990:547269 CAPLUS

DOCUMENT NUMBER: 113:147269

TITLE: Preparation of N-(p-aryloxybenzyl) aralkylamides as insecticides and acaricides

INVENTOR(S): Oyama, Hiroshi; Masumizu, Tatsuya; Onoe, Shinji; Sato, Taisuke; Moriyama, Satoru

PATENT ASSIGNEE(S): Hokko Chemical Industry Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

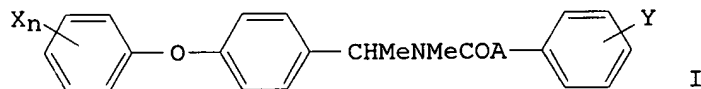
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02138159	A2	19900528	JP 1988-292348	19881121
JP 07103079	B4	19951108		

OTHER SOURCE(S): MARPAT 113:147269

GI



JP 2-138159

AB Insecticides and acaricides contain the title compds. I (A = lower alkylene or alkenylene; X = halo, lower haloalkyl; Y = H, halo, lower alkyl, lower haloalkyl, lower alkoxy; n = 1, 2) as active ingredients. Amination of 30.1 g .alpha.-methyl-p-(4-trifluoromethylphenoxy)benzyl chloride with 40% MeNH in EtOH at 60.degree. for 3 h gave 31.7 g N-methyl-.alpha.-methyl-p-(4-trifluoromethylphenoxy)benzylamine, which (29.5 g) was treated with 15.5 g phenylacetyl chloride in Et3N-MePh at room temp. for 1 h to afford 38.8 g I (A = CH2, X = 4-CF3, Y = H, n = 1) (II). II at 50 ppm 100% controlled Nephrotettix cincticeps, vs. 5% for malathion at 150 ppm. II 40, Sorpol 700H 20, and xylene 40 parts by wt. were mixed to give an emulsion.

=> E "117542-61-7"/BI 25

E1	1	117542-60-6/BI
E2	1	117542-60-6P/BI
E3	1 -->	117542-61-7/BI
E4	1	117542-61-7P/BI
E5	1	117542-62-8/BI
E6	1	117542-62-8P/BI
E7	1	117542-63-9/BI
E8	1	117542-63-9P/BI
E9	1	117542-64-0/BI
E10	1	117542-64-0P/BI
E11	1	117542-65-1/BI
E12	1	117542-65-1P/BI
E13	1	117542-66-2/BI
E14	1	117542-66-2P/BI
E15	1	117542-67-3/BI
E16	1	117542-67-3P/BI
E17	1	117542-68-4/BI
E18	1	117542-68-4P/BI
E19	1	117542-69-5/BI

E20 1 117542-69-5P/BI  
 E21 1 117542-70-8/BI  
 E22 1 117542-70-8P/BI  
 E23 1 117542-71-9/BI  
 E24 1 117542-71-9P/BI  
 E25 1 117542-72-0/BI

=> S E3 OR E4

1 117542-61-7/BI  
 1 117542-61-7P/BI  
 L4 1 117542-61-7/BI OR 117542-61-7P/BI

=> DIS L4 1 IBIB ABS

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1988:630567 CAPLUS

DOCUMENT NUMBER: 109:230567

TITLE: Preparation of N-benzylhaloacetamide derivatives as herbicides

INVENTOR(S): Kato, Shozo; Takematsu, Tetsuo; Okamoto, Hidenori; Ogasawara, Masaru

PATENT ASSIGNEE(S): Tokuyama Soda Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

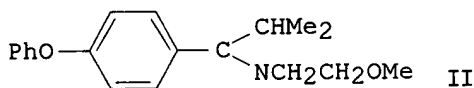
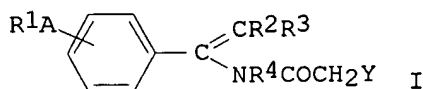
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

JP 63-115851

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63115851	A2	19880520	JP 1986-258479	19861031
JP 06023145	B4	19940330		

OTHER SOURCE(S): MARPAT 109:230567  
 GI



AB The title amides [I; R1 = (substituted) aryl; R2, R3 = H, alkyl; R4 = (substituted) alkyl, aryl, alkenyl, alkynyl; A = O, S, Y = Cl, Br, iodo] are prepd. A soln. of ClCH2COCl in DMF was slowly added to enamine II in DMF at room temp. with stirring and heated at 50.degree. to give 68% amide I (R1A = PhO at 4-position, R2 = R3 = Me, R4 = MeOCH2CH2, Y = Cl), which showed complete kill of barnyard grass at 200 g/10 are.

=> E KOZLOWSKI JOSEPH A/AU 25

E1	1	KOZLOWSKI JOLANTA/AU
E2	8	KOZLOWSKI JOSEPH/AU
E3	31	--> KOZLOWSKI JOSEPH A/AU
E4	1	KOZLOWSKI JOSEPH ANDREW/AU
E5	9	KOZLOWSKI JOSEPH J/AU
E6	1	KOZLOWSKI JOZEF/AU
E7	1	KOZLOWSKI JUNIOR VITOLDO ANTONIO/AU
E8	26	KOZLOWSKI K/AU
E9	4	KOZLOWSKI K A/AU
E10	1	KOZLOWSKI K J/AU
E11	1	KOZLOWSKI KAREN/AU
E12	5	KOZLOWSKI KAREN A/AU
E13	4	KOZLOWSKI KATHY/AU
E14	127	KOZLOWSKI KAZIMIERZ/AU
E15	3	KOZLOWSKI KAZIMIERZ H/AU
E16	1	KOZLOWSKI KENRYK/AU
E17	1	KOZLOWSKI KOSMA/AU
E18	8	KOZLOWSKI KRZYSZTOF/AU
E19	33	KOZLOWSKI L/AU
E20	24	KOZLOWSKI L J/AU
E21	1	KOZLOWSKI L M/AU
E22	2	KOZLOWSKI LECH/AU
E23	1	KOZLOWSKI LECHOSLAW/AU
E24	2	KOZLOWSKI LESTER/AU
E25	18	KOZLOWSKI LESTER J/AU

=> S (E2 OR E3 OR E4) AND (?INFLAMM?)

8 "KOZLOWSKI JOSEPH"/AU  
31 "KOZLOWSKI JOSEPH A"/AU  
1 "KOZLOWSKI JOSEPH ANDREW"/AU  
164398 ?INFLAMM?

L1 1 ("KOZLOWSKI JOSEPH"/AU OR "KOZLOWSKI JOSEPH A"/AU OR "KOZLOWSKI JOSEPH ANDREW"/AU) AND (?INFLAMM?)

=> S (E2 OR E3 OR E4) AND (CANNABI?)

8 "KOZLOWSKI JOSEPH"/AU  
31 "KOZLOWSKI JOSEPH A"/AU  
1 "KOZLOWSKI JOSEPH ANDREW"/AU  
9074 CANNABI?

L2 1 ("KOZLOWSKI JOSEPH"/AU OR "KOZLOWSKI JOSEPH A"/AU OR "KOZLOWSKI JOSEPH ANDREW"/AU) AND (CANNABI?)

=> DIS L2 1 IBIB ABS

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:615563 CAPLUS

DOCUMENT NUMBER: 137:169310

TITLE: Preparation of .alpha.-methylbenzylsulfonamides as  
**cannabinoid** receptor ligands

INVENTOR(S): **Kozlowski, Joseph A.**; Shih, Neng-Yang;  
Lavey, Brian J.; Rizvi, Razia K.; Shankar, Bandarpalle  
B.; Spitler, James M.; Tong, Ling; Wolin, Ronald;  
Wong, Michael K.

PATENT ASSIGNEE(S): Schering Corporation, USA

SOURCE: PCT Int. Appl., 134 pp.

CODEN: PIXXD2

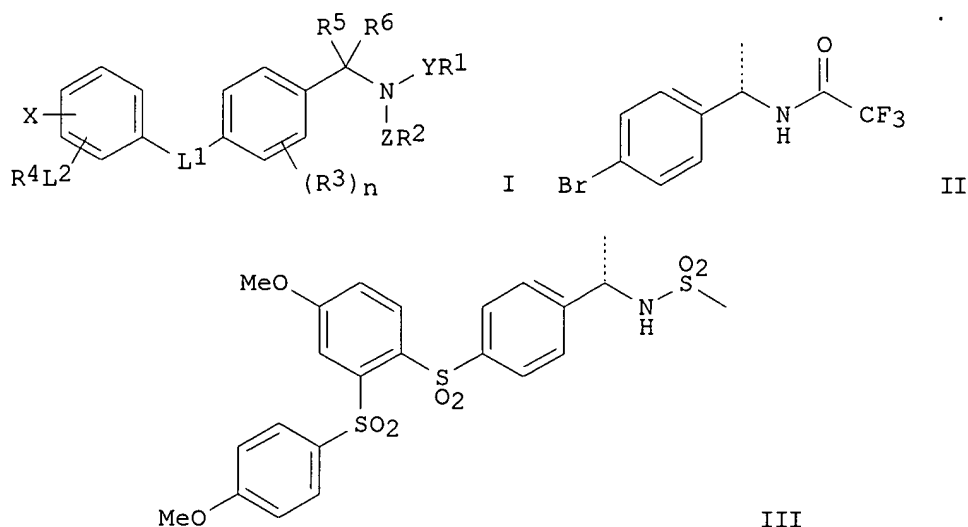
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002062750	A1	20020815	WO 2002-US3672	20020207
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UZ, VN, YU, ZA, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 2001-267375P	P 20010208
			US 2001-292600P	P 20010522
OTHER SOURCE(S):		MARPAT 137:169310		
GI				



AB Title compds. [I; R1 = H, alkyl, haloalkyl, cycloalkyl, cycloalkylamino, aralkyl, heteroaryl, amino, (substituted) aryl, etc.; R2, R5, R6 = H, alkyl; R3 = H, alkyl, Cl, F, CF3, OCF2H, OCF3, OH, alkoxy; R4 = H, (substituted) alkyl, alkoxy, cycloalkyl, alkenyl, aryl, PhCH2, heteroaryl, arylamino, heteroaryl, cycloalkylamino, etc.; L1 = alkylene, alkenylene, CO, C(R2)2, CHOR2, NOR5, SO2, SO, S, O, NR2, NR2CO, CHCF3, CF2; L2 = bond, alkylene, CO, C(R2)2, NR2, NR2SO2, CONR2, S, SO, SO2, NOR5, CR2OH, etc.; X = H, halo, CF3, cyano, OCF2H, OCF3, alkyl, cycloalkyl, cycloalkoxy, alkoxy, heteroalkyl, CO2R2, NHR2, arylamino, OSO2R2, etc.; Y, Z = bond, CH2, SO2, CO; R1YNZR2 = atoms to form a heterocycle; n = 0-4], were prep'd. for treatment of cancer, inflammatory disease, immunomodulatory disease, or respiratory disease (no data). Thus, (S)-.alpha.-methylbenzylamine was stirred with (F3CCO)2O in CH2Cl2; the mixt. was then treated with MeSO3H and dibromodimethylhydantoin to give 32% intermediate (II). II in THF at -78.degree. was treated with MeLi and then with 4-MeOC6H4SO2Cl followed by warming to room temp. to give 65% di-Ph sulfone deriv. The latter in THF at -78.degree. was treated with BuLi then with bis(4-methoxyphenyl)disulfide to give crude disulfide coupling product, which was treated with MCPBA in CH2Cl2 to give 45% bissulfone. This was deprotected with LiOH in H2O/dioxane followed by treatment with MeSO2Cl to give title compd. (III).

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

Uploading cannabinoid.str

L1 STRUCTURE UPLOADED

=> s l1 full

FULL SEARCH INITIATED 10:15:37 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 72 TO ITERATE

100.0% PROCESSED 72 ITERATIONS  
SEARCH TIME: 00.00.01

0 ANSWERS

L2 0 SEA SSS FUL L1

=>

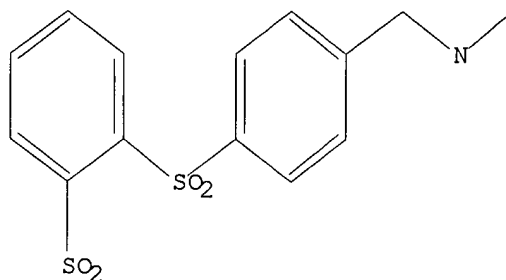
Uploading cannabinoid.str

L3 STRUCTURE UPLOADED

=> d

L3 HAS NO ANSWERS

L3 STR



G1 O,S,N,F,CF<sub>2</sub>,CF<sub>3</sub>,SO<sub>2</sub>,CHO,NH,NO<sub>2</sub>

Structure attributes must be viewed using STN Express query preparation.

=> s l3 full

FULL SEARCH INITIATED 10:16:15 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 176 TO ITERATE

100.0% PROCESSED 176 ITERATIONS  
SEARCH TIME: 00.00.01

11 ANSWERS

L4 11 SEA SSS FUL L3

=> d l4 1-11

L4 ANSWER 1 OF 11 REGISTRY COPYRIGHT 2003 ACS

RN 447460-51-7 REGISTRY

CN Acetamide, 2,2,2-trifluoro-N-[(1S)-1-[4-[[2-[(2-fluorophenyl)sulfonyl]-4-(trifluoromethyl)phenyl]sulfonyl]phenyl]ethyl]- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

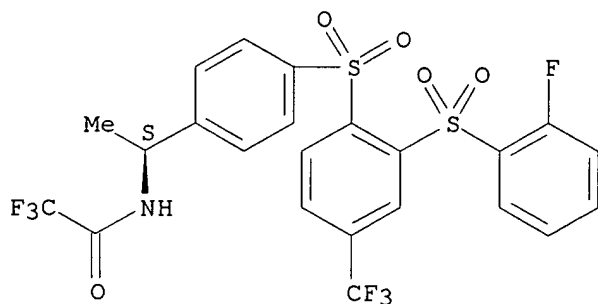
MF C23 H16 F7 N O5 S2

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.



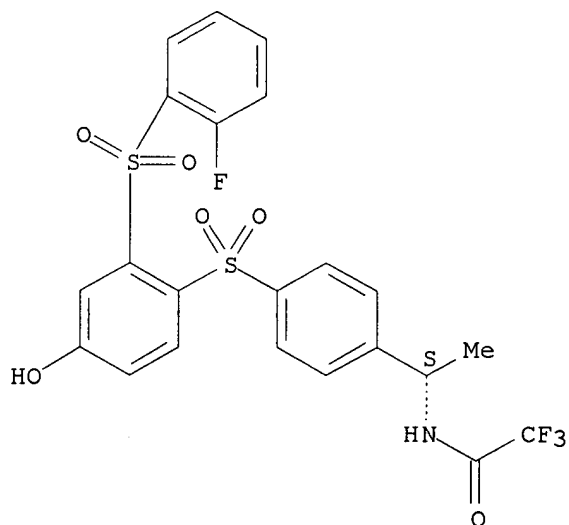


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 2 OF 11 REGISTRY COPYRIGHT 2003 ACS  
RN 447460-46-0 REGISTRY  
CN Acetamide, 2,2,2-trifluoro-N-[(1S)-1-[4-[[2-[(2-fluorophenyl)sulfonyl]-4-hydroxyphenyl]sulfonyl]phenyl]ethyl]- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C22 H17 F4 N O6 S2  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.



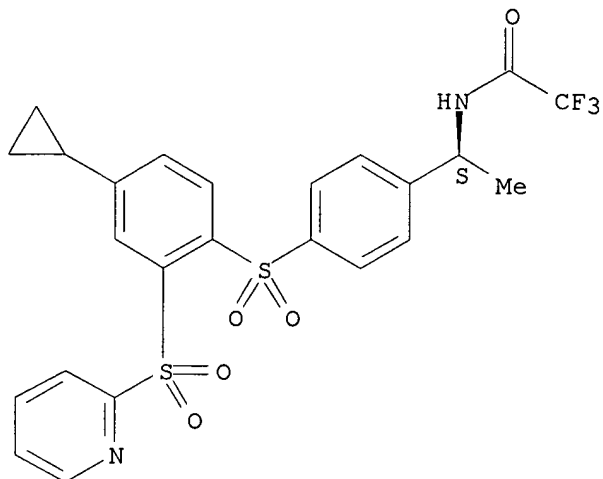
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1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 3 OF 11 REGISTRY COPYRIGHT 2003 ACS  
RN 447460-37-9 REGISTRY  
CN Acetamide, N-[(1S)-1-[4-[[4-cyclopropyl-2-(2-pyridinylsulfonyl)phenyl]sulfonyl]phenyl]ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

FS STEREOSEARCH  
MF C24 H21 F3 N2 O5 S2  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

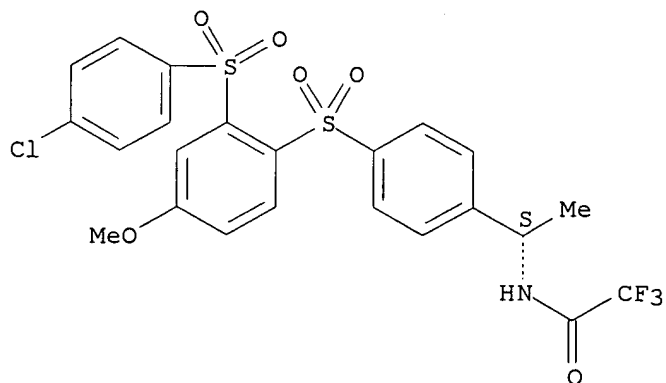


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1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 4 OF 11 REGISTRY COPYRIGHT 2003 ACS  
RN 447460-28-8 REGISTRY  
CN Acetamide, N-[(1S)-1-[4-[[2-[(4-chlorophenyl)sulfonyl]-4-methoxyphenyl]sulfonyl]phenyl]ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)  
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MF C23 H19 Cl F3 N O6 S2  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

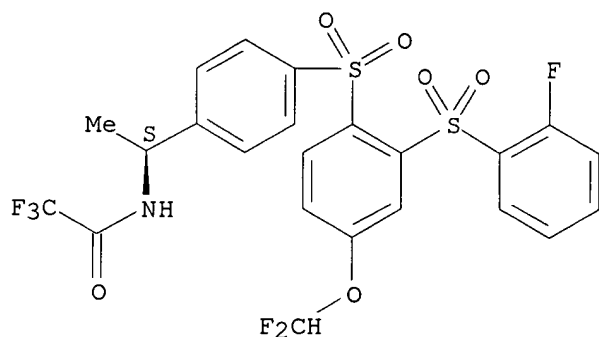


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 5 OF 11 REGISTRY COPYRIGHT 2003 ACS  
RN 447460-09-5 REGISTRY  
CN Acetamide, N-[(1S)-1-[4-[[4-(difluoromethoxy)-2-[(2-fluorophenyl)sulfonyl]phenyl]sulfonyl]phenyl]ethyl]-2,2,2-trifluoro- (9CI)  
(CA INDEX NAME)  
FS STEREOSEARCH  
MF C23 H17 F6 N O6 S2  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

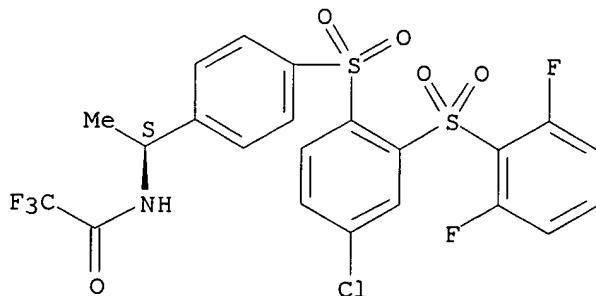


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 6 OF 11 REGISTRY COPYRIGHT 2003 ACS  
RN 447460-04-0 REGISTRY  
CN Acetamide, N-[(1S)-1-[4-[[4-chloro-2-[(2,6-difluorophenyl)sulfonyl]phenyl]sulfonyl]phenyl]ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C22 H15 Cl F5 N O5 S2  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

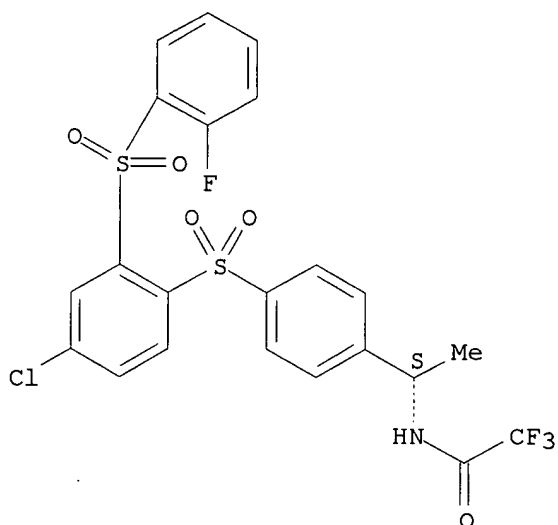


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 7 OF 11 REGISTRY COPYRIGHT 2003 ACS  
RN 447460-01-7 REGISTRY  
CN Acetamide, N-[(1S)-1-[4-[[4-chloro-2-[(2-fluorophenyl)sulfonyl]phenyl]sulfonyl]phenyl]ethyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C22 H16 Cl F4 N O5 S2  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

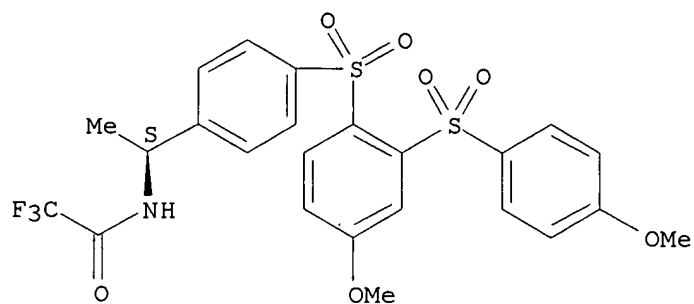


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 8 OF 11 REGISTRY COPYRIGHT 2003 ACS  
RN 447459-98-5 REGISTRY  
CN Acetamide, 2,2,2-trifluoro-N-[(1S)-1-[4-[[4-methoxy-2-[(4-methoxyphenyl)sulfonyl]phenyl]sulfonyl]phenyl]ethyl]- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C24 H22 F3 N O7 S2  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

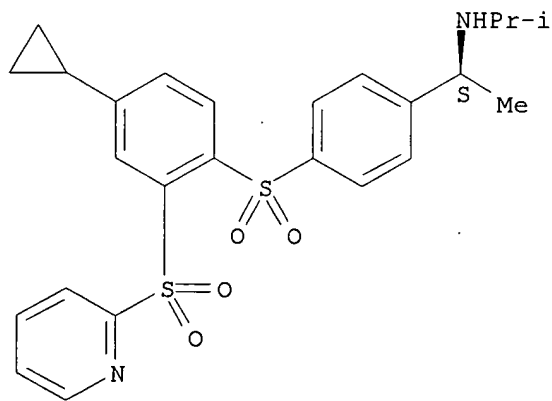


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 9 OF 11 REGISTRY COPYRIGHT 2003 ACS  
RN 447459-92-9 REGISTRY  
CN Benzenemethanamine, 4-[[4-cyclopropyl-2-(2-pyridinylsulfonyl)phenyl]sulfonyl]-.alpha.-methyl-N-(1-methylethyl)-, (.alpha.S)- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C25 H28 N2 O4 S2  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

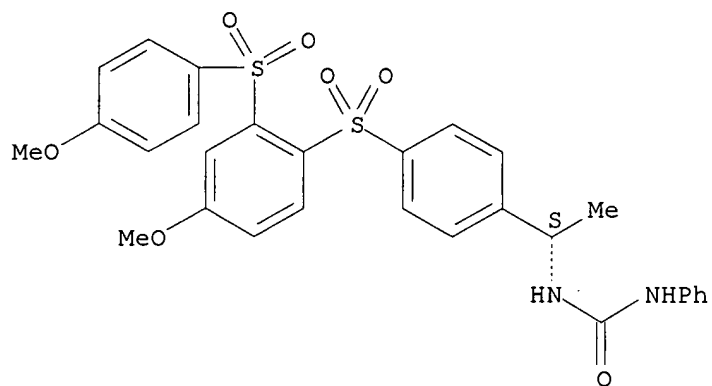


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 10 OF 11 REGISTRY COPYRIGHT 2003 ACS  
RN 447459-53-2 REGISTRY  
CN Urea, N-[(1S)-1-[4-[[4-methoxy-2-[(4-methoxyphenyl)sulfonyl]phenyl]sulfonyl]phenyl]ethyl]-N'-phenyl- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C29 H28 N2 O7 S2  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.

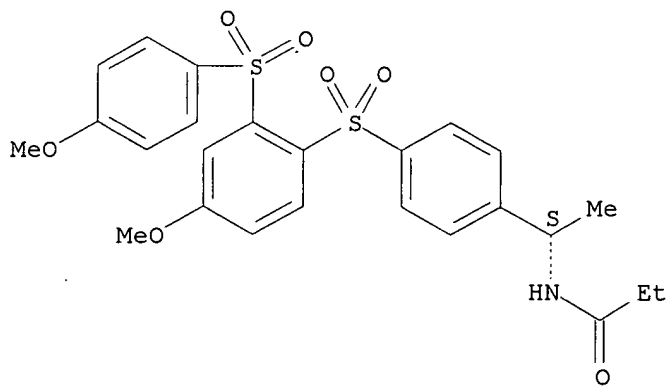


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L4 ANSWER 11 OF 11 REGISTRY COPYRIGHT 2003 ACS  
RN 447459-52-1 REGISTRY  
CN Propanamide, N-[(1S)-1-[4-[[4-methoxy-2-[(4-methoxyphenyl)sulfonyl]phenyl]sulfonyl]phenyl]ethyl]- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C25 H27 N O7 S2  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry.



=> file caplus  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
315.18	315.39

FILE 'CAPLUS' ENTERED AT 10:17:08 ON 08 JAN 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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FILE COVERS 1907 - 8 Jan 2003 VOL 138 ISS 2  
FILE LAST UPDATED: 7 Jan 2003 (20030107/ED)

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=> s 14  
L5 1 L4

=> d 15 ibib abs

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2002:615563 CAPLUS  
DOCUMENT NUMBER: 137:169310  
TITLE: Preparation of .alpha.-methylbenzylsulfonamides as cannabinoid receptor ligands  
INVENTOR(S): Kozlowski, Joseph A.; Shih, Neng-Yang; Lavey, Brian J.; Rizvi, Razia K.; Shankar, Bandarpalle B.; Spitler, James M.; Tong, Ling; Wolin, Ronald; Wong, Michael K.  
PATENT ASSIGNEE(S): Schering Corporation, USA  
SOURCE: PCT Int. Appl., 134 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002062750	A1	20020815	WO 2002-US3672	20020207
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UZ, VN, YU, ZA, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,  
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,  
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:

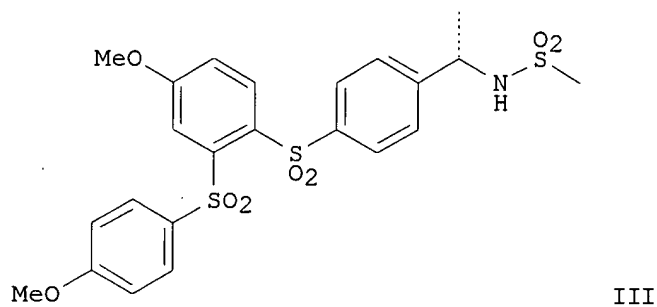
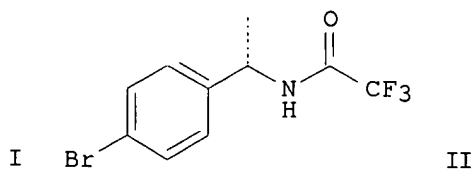
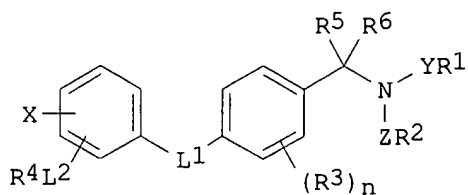
US 2001-267375P P 20010208

US 2001-292600P P 20010522

OTHER SOURCE(S):

MARPAT 137:169310

GI





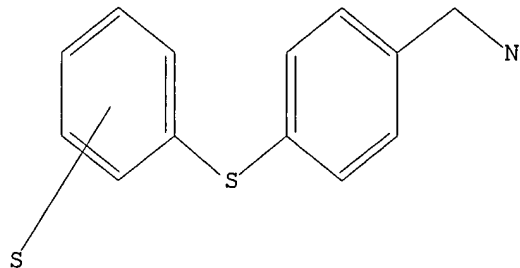
ploading cannabinoid.str

L3        STRUCTURE UPLOADED

=> d

L3 HAS NO ANSWERS

L3                STR



G1 O, S, N, F, CF2, CF3, SO2, CHO, NH, NO2

Structure attributes must be viewed using STN Express query preparation.

=> s l3 full

FULL SEARCH INITIATED 17:16:04 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 6426 TO ITERATE

100.0% PROCESSED        6426 ITERATIONS

124 ANSWERS

SEARCH TIME: 00.00.01

L4                124 SEA SSS FUL L3

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

305.50

305.71

FILE 'CAPLUS' ENTERED AT 17:16:12 ON 09 JAN 2003

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FILE COVERS 1907 - 9 Jan 2003 VOL 138 ISS 2

FILE LAST UPDATED: 8 Jan 2003 (20030108/ED)

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=> s l4

L5 28 L4

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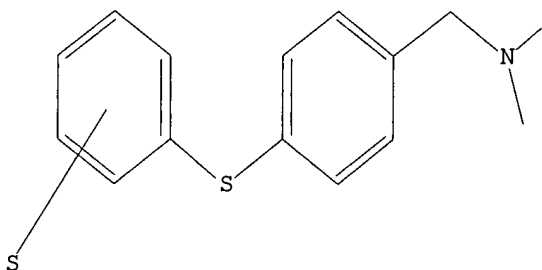
Uploading cannabinoid.str

L6 STRUCTURE UPLOADED

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L6 HAS NO ANSWERS

L6 STR



G1 O, S, N, F, CF2, CF3, SO2, CHO, NH, NO2

Structure attributes must be viewed using STN Express query preparation.

=> file registry

COST IN U.S. DOLLARS

SINCE FILE TOTAL

ENTRY SESSION

FULL ESTIMATED COST

1.67 307.38

FILE 'REGISTRY' ENTERED AT 17:18:38 ON 09 JAN 2003

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STRUCTURE FILE UPDATES: 8 JAN 2003 HIGHEST RN 478480-50-1

DICTIONARY FILE UPDATES: 8 JAN 2003 HIGHEST RN 478480-50-1

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s 16 full

FULL SEARCH INITIATED 17:18:42 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 511 TO ITERATE

100.0% PROCESSED 511 ITERATIONS

11 ANSWERS

SEARCH TIME: 00.00.01

L7 11 SEA SSS FUL L6

Uploading cannabinoid.str

L6 STRUCTURE UPLOADED

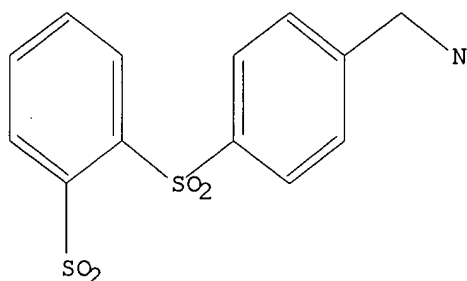
=> s

ENTER LOGIC EXPRESSION, QUERY NAME, OR (END):end  
SEARCH ENDED BY USER

=> d

L6 HAS NO ANSWERS

L6 STR



G1 O, S, N, F, CF<sub>2</sub>, CF<sub>3</sub>, SO<sub>2</sub>, CHO, NH, NO<sub>2</sub>

Structure attributes must be viewed using STN Express query preparation.

=> file registry

COST IN U.S. DOLLARS

SINCE FILE TOTAL

ENTRY SESSION

FULL ESTIMATED COST

4.08 319.47

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE TOTAL

ENTRY SESSION

CA SUBSCRIBER PRICE

-0.65 -0.65

FILE 'REGISTRY' ENTERED AT 10:19:48 ON 08 JAN 2003

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STRUCTURE FILE UPDATES: 7 JAN 2003 HIGHEST RN 478336-86-6

DICTIONARY FILE UPDATES: 7 JAN 2003 HIGHEST RN 478336-86-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP  
PROPERTIES for more information. See STNote 27, Searching Properties  
in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s 16 full  
FULL SEARCH INITIATED 10:19:52 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 672 TO ITERATE

100.0% PROCESSED 672 ITERATIONS  
SEARCH TIME: 00.00.03

49 ANSWERS

L7 49 SEA SSS FUL L6

=> file caplus  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
148.15	467.62

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-0.65

CA SUBSCRIBER PRICE

FILE 'CAPLUS' ENTERED AT 10:20:00 ON 08 JAN 2003  
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FILE COVERS 1907 - 8 Jan 2003 VOL 138 ISS 2  
FILE LAST UPDATED: 7 Jan 2003 (20030107/ED)

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=> s 17 full

L8 1 L7

=> d 18 ibib abs

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:615563 CAPLUS

DOCUMENT NUMBER: 137:169310

TITLE: Preparation of .alpha.-methylbenzylsulfonamides as cannabinoid receptor ligands

INVENTOR(S): Kozlowski, Joseph A.; Shih, Neng-Yang; Lavey, Brian J.; Rizvi, Razia K.; Shankar, Bandarpalle B.; Spitler, James M.; Tong, Ling; Wolin, Ronald; Wong, Michael K.

PATENT ASSIGNEE(S): Schering Corporation, USA

SOURCE: PCT Int. Appl., 134 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

L8 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:185715 CAPLUS

DOCUMENT NUMBER: 134:237309

TITLE: Preparation of substituted N-phenyl  
2-hydroxy-2-methyl-3,3,3-trifluoropropanamides which  
elevate pyruvate dehydrogenase activity

INVENTOR(S): Butlin, Roger John; Pease, Janet Elizabeth; Block,  
Michael Howard; Nowak, Thorsten; Burrows, Jeremy  
Nicholas

PATENT ASSIGNEE(S): Astrazeneca AB, Swed.; Astrazeneca UK Limited

SOURCE: PCT Int. Appl., 105 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

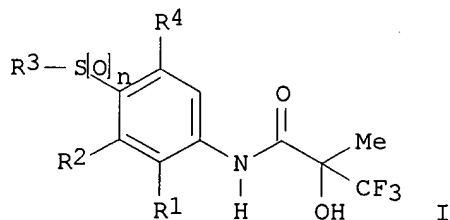
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001017956	A1	20010315	WO 2000-GB3314	20000830
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
BR 2000013694	A	20020521	BR 2000-13694	20000830
EP 1214296	A1	20020619	EP 2000-956672	20000830
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			
NO 2002001040	A	20020502	NO 2002-1040	20020301
PRIORITY APPLN. INFO.:			GB 1999-20814	A 19990904
			GB 2000-6641	A 20000321
			WO 2000-GB3314	W 20000830

OTHER SOURCE(S): MARPAT 134:237309

GI



AB The title compds. [I; n = 1-2; R1 = Cl, F, Br, Me, MeO; R2 = halo, NO2, OH, etc.; R3 = (un)substituted alkyl, cycloalkyl, Ph, etc.; R4 = H, F], useful in the prodn. of an elevation of PDH activity (no data), were prepd. and formulated. E.g., a multi-step synthesis of (R)-I [n = 1; R1, R2 = Cl; R3 = Et; R4 = H] was given. The compds. I are effective at 1-50 mg/kg/day.

IT 329926-07-0P 329926-12-7P 329926-13-8P

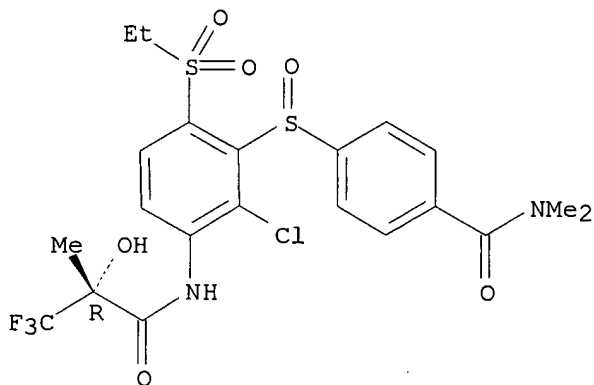
**329926-14-9P 329926-43-4P 329926-44-5P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of substituted N-Ph 2-hydroxy-2-methyl-3,3,3-trifluoropropanamides which elevate pyruvate dehydrogenase activity)

RN 329926-07-0 CAPLUS

CN Benzamide, 4-[[2-chloro-6-(ethylsulfonyl)-3-[[[(2R)-3,3,3-trifluoro-2-hydroxy-2-methyl-1-oxopropyl]amino]phenyl]sulfinyl]-N,N-dimethyl- (9CI)  
(CA INDEX NAME)

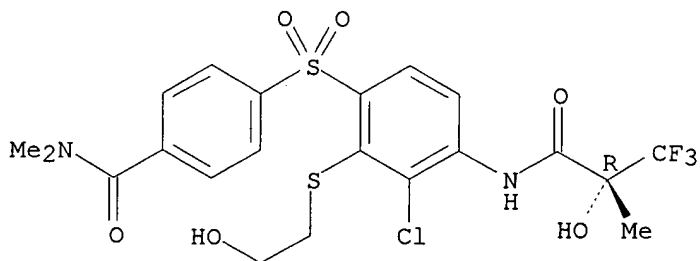
Absolute stereochemistry.



RN 329926-12-7 CAPLUS

CN Benzamide, 4-[[3-chloro-2-[(2-hydroxyethyl)thio]-4-[[[(2R)-3,3,3-trifluoro-2-hydroxy-2-methyl-1-oxopropyl]amino]phenyl]sulfonyl]-N,N-dimethyl- (9CI)  
(CA INDEX NAME)

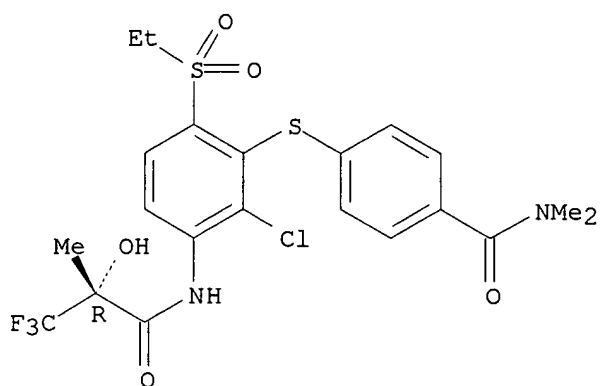
Absolute stereochemistry.



RN 329926-13-8 CAPLUS

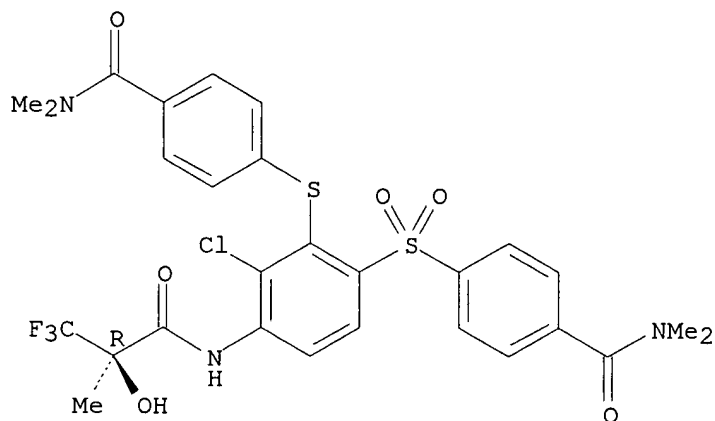
CN Benzamide, 4-[[2-chloro-6-(ethylsulfonyl)-3-[[[(2R)-3,3,3-trifluoro-2-hydroxy-2-methyl-1-oxopropyl]amino]phenyl]thio]-N,N-dimethyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



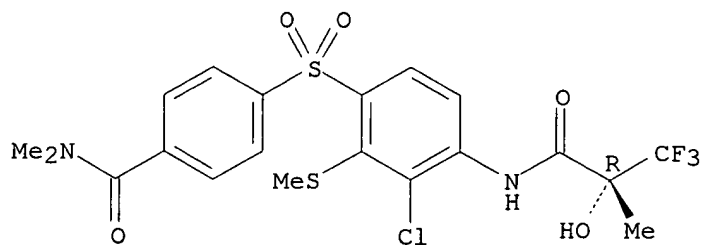
RN 329926-14-9 CAPLUS  
 CN Benzamide, 4-[[2-chloro-6-[[4-[(dimethylamino)carbonyl]phenyl]sulfonyl]-3-[[[(2R)-3,3,3-trifluoro-2-hydroxy-2-methyl-1-oxopropyl]amino]phenyl]thio]-N,N-dimethyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 329926-43-4 CAPLUS  
 CN Benzamide, 4-[[3-chloro-2-(methylthio)-4-[[[(2R)-3,3,3-trifluoro-2-hydroxy-2-methyl-1-oxopropyl]amino]phenyl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)

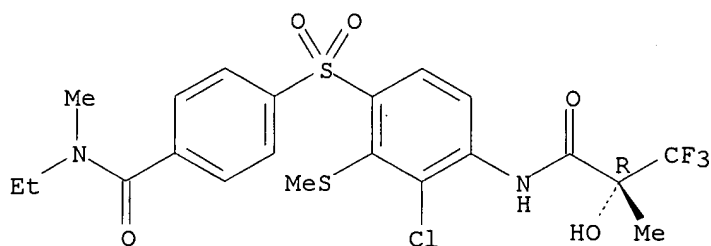
Absolute stereochemistry.



RN 329926-44-5 CAPLUS  
 CN Benzamide, 4-[[3-chloro-2-(methylthio)-4-[[[(2R)-3,3,3-trifluoro-2-hydroxy-2-methyl-1-oxopropyl]amino]phenyl]sulfonyl]-N-ethyl-N-methyl- (9CI) (CA INDEX NAME)



Absolute stereochemistry.



IT 329927-04-0P

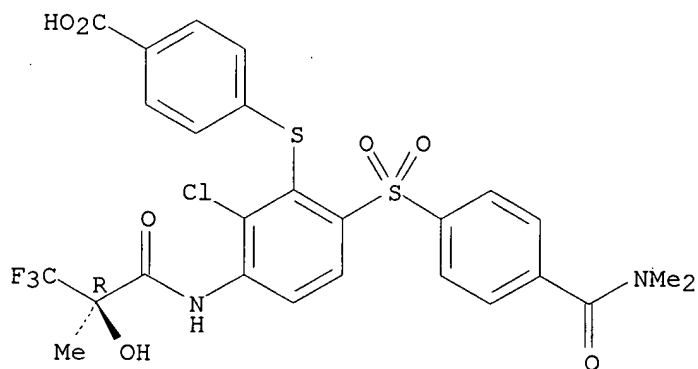
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of substituted N-Ph 2-hydroxy-2-methyl-3,3,3-trifluoropropanamides which elevate pyruvate dehydrogenase activity)

RN 329927-04-0 CAPLUS

CN Benzoic acid, 4-[[2-chloro-6-[[4-[(dimethylamino)carbonyl]phenyl]sulfonyl]-3-[[2R)-3,3,3-trifluoro-2-hydroxy-2-methyl-1-oxopropyl]amino]phenyl]thio]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1993:102748 CAPLUS

DOCUMENT NUMBER: 118:102748

TITLE: Synthesis and characterization of polyamides containing arylene sulfide-sulfone groups

AUTHOR(S): Joseph, K. Abraham; Srinivasan, M.

CORPORATE SOURCE: Dep. Chem., Indian Inst. Technol., Madras, 600 036, India

SOURCE: Polymer International (1993), 30(3), 327-35  
CODEN: PLYIEI; ISSN: 0959-8103

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The title polyamides were prepd. from bis(4-phenylthio)dibenzoyl chloride (I) or 4,4'-[sulfonylbis(4-phenylthio)]dibenzoyl chloride (II) and arom. diamines both by soln. and interfacial polymn. techniques. In the soln. polymn. the effect of 2 different acid acceptors, LiCl and Et3N, on inherent viscosity of the polyamides was studied. The effect of arom. sulfone ether diamines and conventional arom. diamines on viscosity and

thermal properties of polyamides was also investigated. The polyamides were characterized by IR, 1H NMR, elemental anal., soln. viscosity, thermogravimetry, DSC, and x-ray diffraction. Thermal and phys. properties of polyamides prepd. from I and II were compared.

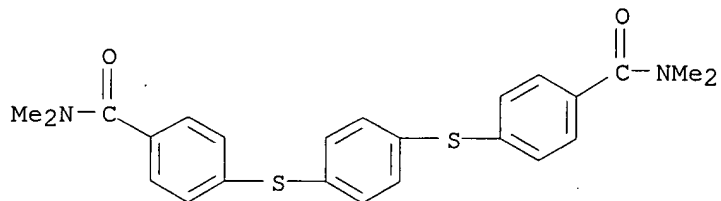
IT **145874-63-1P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. and hydrolysis of)

RN 145874-63-1 CAPLUS

CN Benzamide, 4,4'-[1,4-phenylenebis(thio)]bis[N,N-dimethyl- (9CI) (CA INDEX NAME)



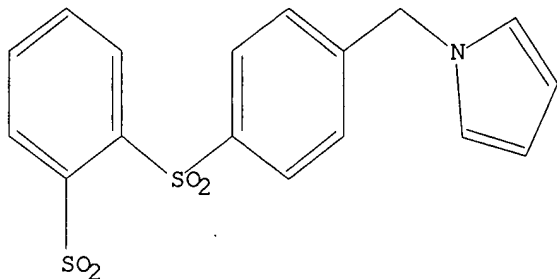
Uploading cannabinoid.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 O,S,N,F,CF<sub>2</sub>,CF<sub>3</sub>,SO<sub>2</sub>,CHO,NH,NO<sub>2</sub>

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 10:55:48 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 169 TO ITERATE

100.0% PROCESSED 169 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L2 0 SEA SSS FUL L1

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